



THE RARA RAG

Newsletter of The Rochester Amateur Radio Association, Inc.
Founded in 1931

JUNE 2023
VOLUME 77, ISSUE 10

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THE ROCHESTER AMATEUR RADIO ASSOCIATION PRESENTS

ROCHESTER HAMFEST 2023

SATURDAY JUNE 3, 2023
AT THE

HILTON EXEMPT CLUB

137 SOUTH AVE
HILTON, NEW YORK 14468

Free License Exams

Clubs Welcome

Flea Market

QSL Card Checking

Door Prizes

RVs are welcome the evening before, Friday June 2, @6 PM no hook ups.
RV parking will be in the main flea market area

Check the [RARA web site](https://www.rara.org) and the Hamfest RAG for more details

RAFFLE

Yaesu FT-710
BTECH DMR-6X2 PRO
Samlex SEC-1235P-M
Ham Radio Deluxe Gift Certificate

Admission:

RAA Members are FREE
Non-members: \$10
Under 18 years of age: FREE

Country Store

On Site Parking

Flea Market Opens: 8AM

Vendor Entry: 7AM

Talk-in: 146.550 Simplex, no PL

RARA



YouTube

K2JD

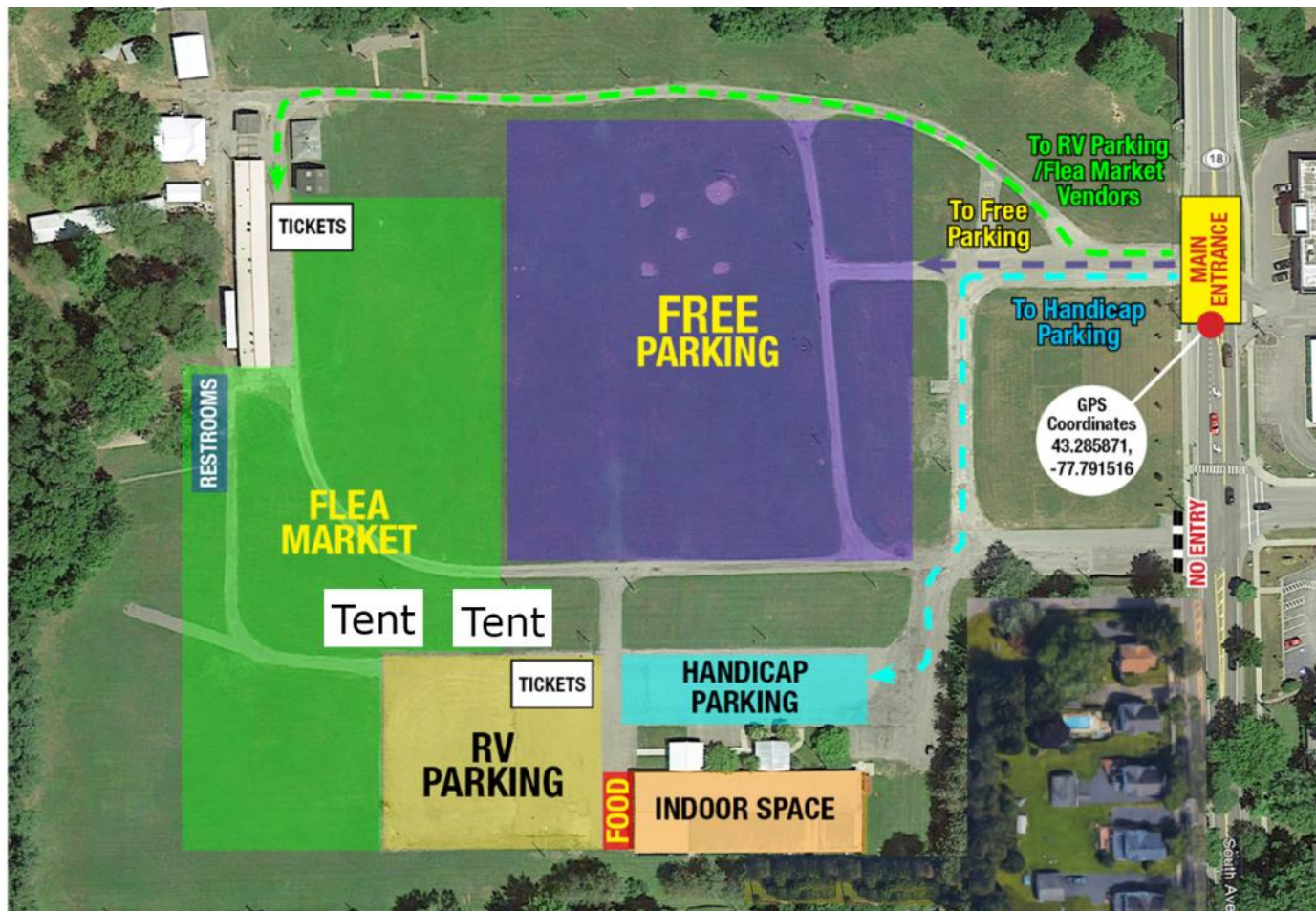
N2EH

W2EOC

ROCHESTER HAMFEST 2023

HILTON EXEMPT CLUB

137 SOUTH AVE
HILTON, NEW YORK 14468



ROCHESTER HAMFEST 2023

HELLO FROM THE ROCHESTER HAMFEST 2023 COMMITTEE!



June 3, 7AM—2PM

Hilton Exempt Club

137 South Avenue

Hilton, NY 14468

WE NEED VOLUNTEERS

Friday

- A few hours in the afternoon
- Setting up the indoor space, flea market parking layout, and free parking demarcation

Saturday

- Various shifts from 5:30am to 4:00pm
- Ticket sales, Traffic and Parking guidance, Country Store, Cleanup

Please use this form to sign up: <https://forms.gle/gJqqzB2Pz5QteEgE8>

Please mark all times or tasks for which you are available, and leave a comment such as "Interested in working one 2-hour shift. Prefer morning"

Once people start signing up, we'll put you into specific timeslots and put it on the hamfest site. We'll also send an e-mail to all volunteers to confirm that they are okay with their slots.





**NO RARA GENERAL MEETING
IN JUNE**

**MAKING IT EASIER TO
VOLUNTEER FOR THE HAMFEST
AND TOUR DE CURE**



**BUCKET RAFFLE
TICKETS**

1 for \$1, 6 for \$5, 13 for \$10

PRIZES:

**YAESU FT-710
BTECH DMR-6x2 PRO
SAMLEX SEC-1235P-M
HAM RADIO DELUXE GIFT CERTIFICATE**

DOOR PRIZE

Must be present to win

PRIZES:

**\$100, \$50 & \$25 GIFT CERTIFICATES
MAGAZINE SUBSCRIPTIONS
MFJ PRODUCTS
HEIL MICROPHONE
BOOKS
AND MORE**

BOARDZ BUZZ

DAVE WILSON, WA2HOY, DIRECTOR

It's hard to believe but June has arrived! Wasn't it January 1st just yesterday?

June is here, the snow has finally retreated, for a few months at least, so it's time to start enjoying the warmer weather.

Two of the biggest events in June are the RARA Hamfest and Field Day. Once again the Hamfest will be at the Hilton Exempt Club. It's a great time to socialize with fellow hams, look for bargains at the flea market, or take the VE license exam to get or upgrade your license.

Field Day will again provide another opportunity to get outside, either on your own, with friends, or joining with one of the clubs who will have set up in one of the parks. It's also a great time to invite non-hams to participate by operating from one of the Get on the Air stations.

Let's not forget that June is also the ARRL VHF Contest. The Rochester VHF Group always has an active participation event.

Whether it's getting outside to enjoy the warm weather, be sure to make ham radio part of your summer activities.

2022 Hamfest

Photo—Dave Wilson



CALENDAR OF EVENTS

Saturday June 3, 2023—91st Rochester Hamfest

Saturday June 10, 2023— American Diabetes Association Tour de Cure. See “Public Service Update” later in the newsletter.

Saturday July 22, 2023—RARA Summer Picnic at the Devil's Bathtub Shelter at Mendon Ponds Park

RARA MEMBERSHIP NEWS

TIM BARRETT, K9VB, RARA VICE PRESIDENT AND MEMBERSHIP SECRETARY

Our club has a very healthy membership, standing at 584 members on September 30th, the end of our membership year. Thanks to all of those who have already renewed but there are still a number of lapsed members, currently our membership stands at 506 so if you haven't done so yet, please renew your membership here.

There are many membership benefits, here are just some of them:

- Only members can attend the RARA Annual Auction
- Free admission to the RARA Hamfest
- Access to license classes and discounts for license manuals
- Annual events such as the Picnic and Winterfest
- Membership points for contributing to club events
- Supporting an Organization that hopefully you value!



Being a member is also important, as your dues and a healthy membership count contribute to many RARA activities such as Rag subscription, monthly meetings, RARA Academy sessions Elmer's Corner, groups.io mailing list, Facebook page, etc. Attracting good speakers is greatly helped when we can point to the size of our club, one of the largest ARRL affiliated clubs by the way. So, if you are not currently a member or have lapsed, please consider changing that!

I'd also like to give a warm welcome to the following new members who have joined the club in the last month:

Art Pellitteri, K2ADP
Josh Goldberg, KD2WNI
Lilian Frey
Martin Rivera, KD2YQR

If you see any of our new members at a RARA meeting or event make sure to introduce yourself and welcome them to the club!



EDUCATION

Karl Heinz Kremer, K5KHK, Education Coordinator

New Hams

Before I move on to my next topic, there is one thing that was missing from the April (and May) issue of the Rag: Those who got their first license during the March VE testing session. We would like to welcome our new hams to the hobby:

Name	Call	License Class
Jonathan R Becker	KE2BAE	General
Emily Brincka	KE2BAK	Technician
Pete Brincka	KE2BAF	Technician
Harley R Thomas	KE2AZZ	Technician
Bryan Williams	KE2BAD	Technician

RARA LICENSE COURSES

Karl Heinz Kremer, K5KHK, License Class Coordinator

License Classes

Our license classes are taking a summer break. If you are interested in taking one of our next classes in the fall, please send an email to education@rochesterham.org, and we will put you on the list.

License Manuals

Even though we are not teaching any classes over the summer, we still have the license manuals available if you want to study on your own. The current editions of the Technician and Amateur Extra license manuals are available to our members at a discount for \$25. If you are interested, please send an email to education@rochesterham.org

I usually have some license manuals with me at official RaRa events (e.g. the monthly meetings).

The General class license manuals will be available as soon as the ARRL releases the next edition.

RARA ACADEMY

We are again looking for a coordinator for RARA Academy sessions. This role does not require that you can teach academy classes, it only requires that you are good at organizing things. If you are interested, please get in touch with us.

Our survey for Academy session topics is still active: Please go to <http://tiny.cc/RaRaAcademySurvey2022> and fill out the survey. If this short link should not work, you can also use this link: https://docs.google.com/forms/d/e/1FAIpQLSfe_RvJyAfc2BidWxePLvK1r_CjQoS1PV0Ua6m2zETiyPa-w/viewform

If you are able to actually present such an Academy session, please also get in touch with us at education@rochesterham.org.

RARA ELMERS' CORNER

Suzanne Bishopp, W2SUZ

Rich Bishopp, KD2UBJ

Elmers' Corner Coordinators

The May Elmers' Corner was the last for the season. Even though our zoom session will take the summer off (so Rich and I can use our little teardrop camper as much as possible) we will still be here to find answers for all of your questions. Just email them to us, and we will take care of you. If you want some hands on experience as a new or newish ham, make sure you come to all of the RARA events we have planned. These are great ways to meet in person the folks you talk (or just listen) to on the local repeaters and ask all kinds of questions.

W1AW On The Air CW Practice

<http://www.arrl.org/w1aw-operating->

Time	Mon	Tue	Wed	Thu	Fri
9 AM		Fast	Slow	Fast	Slow
4 PM	Fast	Slow	Fast	Slow	Fast
7 PM	Slow	Fast	Slow	Fast	Slow
10 PM	Fast	Slow	Fast	Slow	Fast

SLOW - 5, 7 1/2, 10, 13 and 15 wpm

FAST - 35, 30, 25, 20, 15, 13 and 10 wpm

FREQ(MHz) - 1.8025, 3.5815, 7.0475, 14.0475, 18.0975, 21.0675, 28.0675, 50.350, 147.555

CW ELMERS

Name	Call	Area	Email
Ned Asam	W2NED	Pittsford	w2ned@frontiernet.net
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Pete Fournia	W2SKY	Penfield	pfournia@gmail.com
Bill Hopkins	AA2YV	Brighton	whopkin4@naz.edu
Bob Karz	K2OID	Webster	rkarz@rochester.rr.com
Joe Rowe	AG2Y	Webster	ag2y@rochester.rr.com
Harry Williams	KF2TV	Kingsland, GA	harryw7872@gmail.com

RADIO ELMERS

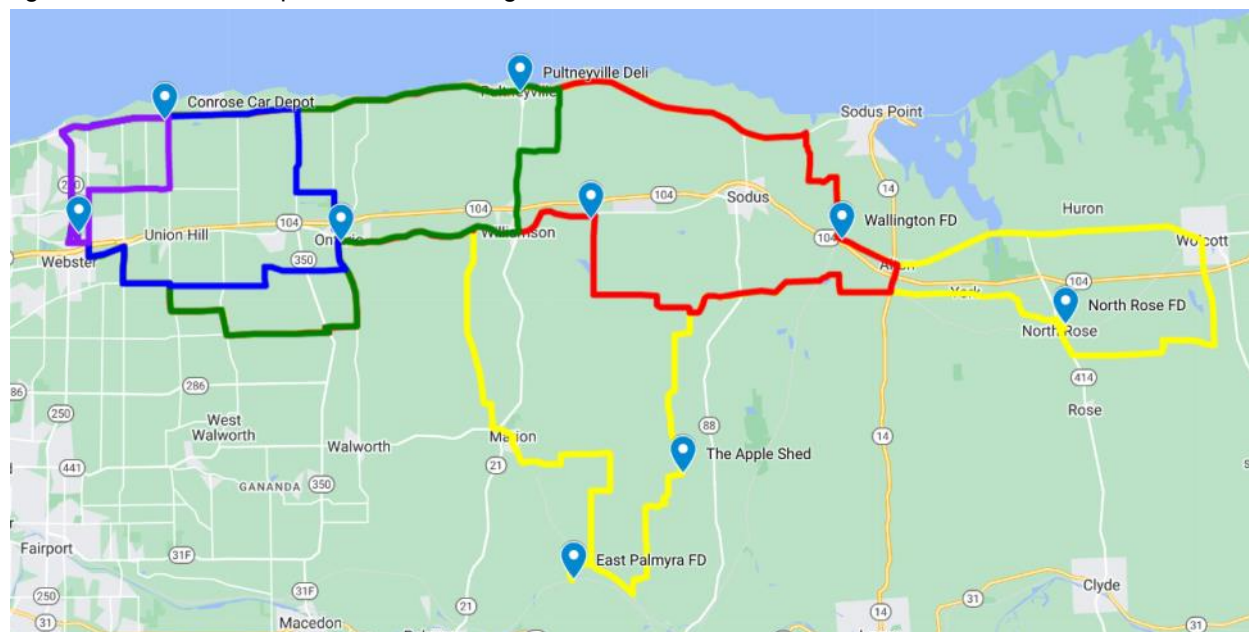
Name	Call	Area	Email
Tim Brown	WB2PAY	Ogden	tjbrown@rochester.rr.com
Dave Carlson	N2OA	Batavia	kdcarlso@gmail.com
Lawrence Hill	N2AJX	Henrietta	lawrence.hill@rit.edu
Rich Hoffarth	K2AXP		rhoffarth2000@yahoo.com
Bill Kasperkoski	WB2SXY	Pittsford	wb2sxy@gmail.com
Don Kiser	AC2EV	N Greece	dkiser100@gmail.com
Karl Heinz Kremer	K5KHK	Chili	k5khk@khk.net
Tim Magee	WB2KAO	Greece	585-704-5747
Mike Moore	KC2NM		mikemoore@ieee.org
Peter Schuch	WB2UAQ	Perinton	pschuch@rochester.rr.com
Forest Shick	WA2MZG	Webster	fshick3@gmail.com
Dave Timmons	W2DST	N Greece	dstimmons@gmail.com
Steve Verzulli	KA1CNF		verzulli@yahoo.com
Dan Waterstraat	W2DEW	Henrietta	higreen@rochester.rr.com

PUBLIC SERVICE REPORT

MIKE MOORE, KC2NM, PUBLIC SERVICE COORDINATOR

The American Diabetes Association (ADA) Finger Lakes Region Tour de Cure starts and ends at the Xerox Campus in Webster on Saturday, June 10. It runs from 6 AM to 4:30 PM. We are seeking help from all area radio amateurs and I encourage you to sign-up at the [RARA Public Service Page](#) and prepare to participate in this event. There, you can click on the ADA Tour de Cure Sign Up "click" link on the top, right-hand side of the table. This link leads to a Google Form for you to register your participant information. On the confirmation page for the event you will be given radio programming information and reporting location. The following Amateur Operators have signed as of May 15, 2022 (AD2DB, K2AXP, K2DCO, K4GWA, K5KHK, KB2FSB, KB2NCI, KC2NM, KC2UES, KD2DNO, KD2IOB, KD2TWM, W2SBA, W2SKY, W2SUZ, WA2FTV). We very much look forward to working together with amateur radio volunteers from [RARA](#), [SIARC](#), [Drumlins ARC](#), [Monroe County ARES/RACES](#), and other area groups.

Again this year, trucks will be provided by the West Herr family of dealerships and we expect a variety of truck types. The team of volunteers from West Herr were a good bunch to work with last year. The bike routes will be largely the same as were used for 2022 except that two rest stops have been dropped and the 63 and 40 mile routes will start together and 25 and 12 mile routes will start together. The route map is shown following.



(See ride key table at top of next column)

Ride Key	Color Code	Start Time
100 Mile	Yellow	6:30
63 Mile	Red	8:00
40 Mile	Green	8:00
25 Mile	Blue	9:30
12 Mile	Purple	9:30

RARA has been asked to provide communications support for the Wilmot Break-away Ride as part of the [Wilmot Warrior Weekend](#). This event follows the Fairport Liftbridge Regatta by one week and will be similar in nature to Finger Lakes Tour de Cure and MS Roc the Ride Great Lakes Adventure. RARA Board of Directors approved our participation at the most recent board meeting.

Upcoming events in the public service calendar are listed in the following table.
Please consider signing up for one of our public service events. Visit https://rochesterham.org/public_service.htm for more information and to volunteer.

Upcoming Public Service and Operating Events:

Event	Location	Day	Date
Finger Lakes Tour de Cure	Xerox Campus Webster	Saturday	June 10, 2023
MS Roc the Ride Great Lakes Adventure	Lakeside Beach State Park	Saturday	August 12, 2023
ILLW	Charlotte-Genesee Lighthouse	Saturday	August 19, 2023
Fairport Lift Bridge Regatta	Erie Canal – Fairport, NY	Saturday	Sept. 23, 2023
Wilmot Breakaway Ride	UR Central Lab, 211 Bailey Road, West Henrietta	Saturday	Sept. 30, 2023
JOTA / Ham Radio Demonstration - CTC	Camp Cutler, Naples, NY	Saturday	Oct. 21, 2023
Pumpkin Patrol	Overpasses of the New York State Thruway	Monday and Tuesday	Oct. 30-31, 2023

2023 HAMFEST—JUNE UPDATE

TIM GUYOT, KB1POP

We're rapidly getting closer to June 3rd! The committee is working busily to get ready for another great event. Part of that is our Bucket Raffle and Door Prizes...

Prizes:

Yaesu FT-710 AESS

100 W HF/50 MHz Base/Portable Transceiver w/SP-40 Speaker



BTECH DMR-6X2 PRO

7W 2m/70cm DMR and Analogue Radio with built-in GPS, Bluetooth, APRS, and Recording



CQ Magazine

Two digital subscriptions



DXEngineering Gift Certificate



Ham Radio Deluxe Gift Certificate



N3FJP Software Gift Certificate



Subscription to QRP Quarterly



More prizes will be listed in the HF edition of the Rag.

As always, we'll have free license testing, hot food for breakfast and lunch, and a Country Store where RARA will be selling some items you can consign your own while you are spending time at the rest of the event. Details on everything going on in the HF edition of the Rag

Now, the plea... The event can only be successful if we have volunteers. **Please visit the link below to sign up for a shift or two.**

<https://forms.gle/gJggzB2Pz5QteEgE8>

RARA HAMFEST SPONSORS PLEASE SUPPORT OUR HAMFEST SPONSORS



When you purchase
from one of our
sponsors, PLEASE
mention RARA and
THANK them for
their support



<https://baofengtech.com/>

Instagram: @btech_radios



<https://samlexamerica.com/>

www.arrl.org



www.dxengineering.com

QRP Quarterly

QRP Amateur Radio Club
International

www.qrparci.org



<https://cq-amateur-radio.com/>



<https://heilhamradio.com/>



www.mfjenterprises.com



www.n3fjp.com



<https://alphaantenna.com/>



<https://www.hamradiodeluxe.com/>



<https://cometantenna.com/>



<https://www.easywayhambooks.com/index.cfm>

DATE FOR YOUR CALNEDAR—OUR ANNUAL PICNIC IS JULY 22ND

TIM BARRETT, K9VB, RARA VICE PRESIDENT

Please join us at our annual Summer Picnic in July! The event will be held at the Devil's Bathtub shelter in Mendon Ponds Park on Saturday, 22nd July from 11:00AM to 2:00PM. This is always a great occasion and an opportunity to enjoy good food, good company and play with radios! With an open field and surrounding woods, the Devil's Bathtub shelter provide lots of choices for antenna deployments! You are welcome to set up your own rig, or to explore what others have set up. Although there is no AC power at the shelter, we expect to have several 12V batteries available for your use – just bring the correct DC cable for your radio.

As usual we will be cooking burgers and hots and will also provide cold drinks. The site offers an open shelter, picnic tables inside and outside, and a porta-potty. Feel free to bring folding chairs and/or a pop-up to create your own space! Set up will start around 10:00AM, and the grills will be ready by noon. You are of course welcome to get there early to enjoy the day and each other's company. Hoping to see you there!



Operating Event for New(ish) Hams at Black Creek Park on May 13th 2023

KARL HEINZ KREMER, K5KHK

We had a great event on Saturday May 13th at Black Creek Park – this was the third instance of this now annual event. We again invited what I like to call “New (ish) Hams”. That is of course everybody who got their license recently, or upgraded and received new operating privileges, but also those who’ve had their license for years, but never really gotten into operating, or those who are eager to learn something new, try a new mode, or learn a new skill.

The weather was cooperating – not too hot and not too windy. Not everybody signed the sign-in sheet, so we don’t have an accurate count, but we think we had about 35 people there. Thanks to our Elmers (in alphabetical order by call sign) Bob K2OID, George K4GWA, Brian KA2CGB, Rich KD2UBJ, Mike KM2B, Mike N2MAK, Susan W2SBA, Peter W2SKY, Suzanne W2SUZ, Forest WA2MZG, Jeff WA2RRB and Tim WB2PAY (and an honorable mention to Jon N2JAC who loaned us his fox transmitter and Yagi antenna) we could offer some interesting activities: Soldering, Winlink, VHF weak signal, CW, POTA, antennas, antennas, antennas (for HF and VHF/UHF), QRP, direction finding and a lot more that when we answered questions from our attendees. We also programmed a few HTs with the repeater listing from the RaRa web site. And most importantly, we had a few new hams who made their first on-the-air contact at this event, or their first HF contact. Yay! We were able to hand out RaRa name tags to our newest members as well.

We counted at least 11 participants that took our Technician license classes over the year (including four graduates from the most recent class).

We also raffled off some prizes. And even those who did not win did not walk away empty handed: At the end of the day, our attendees had a better understanding of ham radio in general, specific modes of operation, and a tip or trick or two.

If you missed this event, please see us at the picnic, we will have radios there and we would certainly your questions between a few bites of hot dog or burger I hope to see you again at our next operating event.

All photos by Dave Wilson, WA2HOY



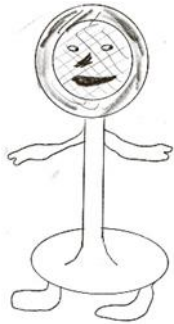
OPERATING EVENT FOR NEW(ISH) HAMS AT BLACK CREEK PARK ON MAY 13TH



AND SO IT BEGAN

(A Ribbon Microphone Story)

BILL HOPKINS, AA2YV AND FOREST SHICK, WA2MZG



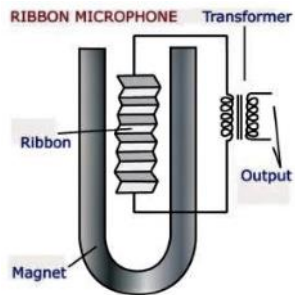
Hello, let me introduce myself. My name is Mike R. Fone. I am about to tell you the tale of a homebrew ribbon microphone .

A few weeks ago, Bill, AA2YV was looking at YouTube videos about ribbon microphones and decided to try and make one. He wondered if 3D printing some of the parts would be a good path, so he contacted Forest, WA2MZG.

Forest did some YouTube research on ribbon microphones. Bill's idea was very intriguing, and the videos just raised the excitement for making a microphone. And So It Began.

To the right are 2 professional ribbon microphones.

This picture is of the ribbon microphone element or "motor" as it is known.



Finally, a schematic of a ribbon microphone.



My friend, Lincon Web suggests you checkout these links before we begin our journey.

- <https://www.youtube.com/watch?v=fqp26iLJQWU>
- https://www.youtube.com/watch?v=tWbwcS_9sA
- <https://www.youtube.com/watch?v=HOuL5glv8pA>
- https://www.youtube.com/watch?v=o_m8pnQ-QkI
- <https://www.youtube.com/watch?v=F0uAtKrNRaM>
- <https://www.youtube.com/watch?v=SahVz1HQld8&t=90s>
- <https://hackaday.com/2021/03/18/wooden-you-love-to-build-a-ribbon-microphone/>
- <https://www.youtube.com/watch?v=SpWUpGbVeJo&t=113s>
- https://www.youtube.com/watch?v=tWbwcS_9sA&t=39s



After viewing many videos Bill and Forest prepared a preliminary parts list.

- Frame
- Magnets
- Metal ribbon
- Contacts
- Wire
- Transformer
- Amplifier

Seeing all the pieces used in making many of the microphones in the videos, they felt it was a good idea to combine the many pieces into 2 pieces – a front and a back motor frame.

The ribbon microphone is sometimes referred to as a motor because it works on similar principles as a motor. If you apply an alternating current to the ribbon, it will vibrate in a magnetic field – a motor would turn on its shaft in that situation.

When sound waves make the ribbon, of the ribbon microphone, vibrate in a magnetic field, it produces an alternating current representative of the sound waves.

In many of the videos, the actual mic element, the motor, looks messy. The authors disguised the mess by making housings or reusing the housings from other microphones. There was also a lot of gluing in those designs.

Bill and Forest decided that the mic element had to look nice, and the glue had to be eliminated as it was probably a weakness in those designs.

Bill was concerned that the very thin ribbon, an aluminum strip - the heart of the mic - needed special attention. He went searching at the local hobby crafts stores but found nothing thin enough. He did find two little cogwheels suitable for crimping the strip.



Forest obtained a crimper, a larger one, from his daughter's craft supplies.

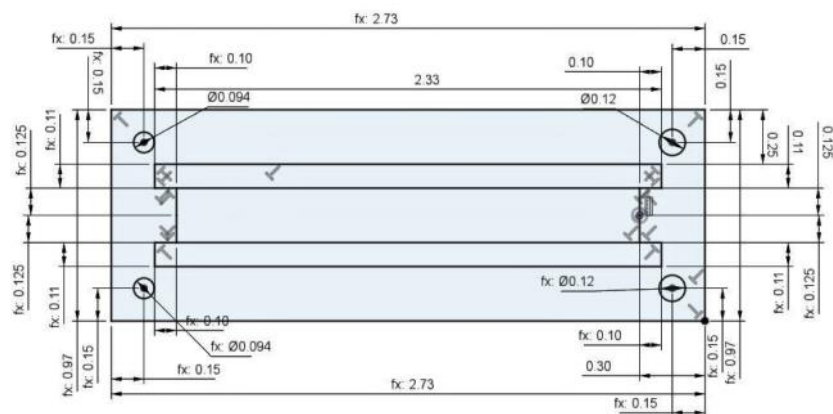
In Forest's stash he found very thin brass foil, 0.001" thick. After measuring household aluminum foil, 0.0005" thick, they had 2 alternatives to get started with. Would they work as a starter?

Here are 2 pieces of the brass foil that have been crimped using Forest's tool.



While Bill was searching for very thin foil for the ribbon, Forest began to design the initial motor frame.

The motor frame would be 2 identical halves held together with 4 screws.



This picture shows the evolution of the design. From left to right:

- The first one did not have an opening for the sound to reach the ribbon
- On the next one, too much material was removed - something was needed to support the magnets
- Finally the last 2 pictures show a completed motor frame holding magnets and copper tape at the mounting points to solder wires to.

For the first test Forest used a 0.2" wide strip of aluminum foil and crimped it with his tool. This is the ribbon part of the ribbon microphone. He then mounted it in the motor



frame between the 2 magnets. The ribbon should not touch either magnet. A wire was soldered to the copper tabs at each end of the motor frame.



The first test was to connect the 2 wires to an oscilloscope, talk or make noise into the mic and see the results on the scope.

NOTHING!

As you saw earlier in this article, there is usually a transformer attached to the output of the ribbon.

Well, Bill and Forest's plan is to wind their own transformer but until that happens, Forest ordered a transformer from Geistnote

<https://geistnote.com/diy-products/ribbon-microphone/transformers/?page=2>

The GN-C36 is a 36 to 1 transformer designed for ribbon microphones.

Forest added the transformer to the ribbon, made noises into the microphone and - SURPRISE - they had a microphone!

It is not very sensitive as it probably needs an amplifier connected to the transformer but that is for the next article.

Forest made a second motor frame that would hold 4 magnets. This worked also. More diligent / controlled testing is needed to see if there is a difference between 2 and 4 magnets - hopefully - the 4 magnet will have a higher output.

Here is a link to a video of the test of both versions of the ribbon microphones.

<https://youtu.be/Ya3DMavYuhY>



Here is another interesting use of the ribbon motor - speaker / headphone.

<https://www.youtube.com/watch?v=GQHwFKp5L4g&t=113s>

MONROE COUNTY ARES MEMBERS PARTICIPATE IN NEW YORK STATE COMMUNICATIONS EXERCISE

SUBMITTED BY JIM HERBST, KC2KNJ, MONROE COUNTY ARES

On April 11, 12, and 13, three members of Monroe County New York's ARES team participated in the New York State Communications Exercise at the State Preparedness Training Center in Oriskany, New York. The HSEEP exercise was coordinated by the NYS Department of Homeland Security Office of Interoperable and Emergency Communications (OIEC). The exercise included more than 60 people from 26 agencies around the state. Communications Units (COMU) were organized and team positions were filled with people from all over the state, including NYS Office of Fire Prevention and Control, NYS DEC., and the NYS Office of Emergency Management.

Jim Stefano W2COP, Tony Correa KD2PTJ, and Joe DiVincenzo AD2DB, along with another AUXCOMM trainee, all participated as AUXCOMM personnel, along with a NYS credentialed AUXCOMM evaluator, all under the supervision of a ComL. Jim had completed his AUXCOMM classroom course at the Dayton Hamfest, and Tony and Joe completed their course at the New York State OIEC AUXCOMM class last fall. In addition, another Monroe County ARES member, Jim Herbst, KC2KNJ, participated as Exercise Director for NYS OIEC.

Objectives for the trainees were to work as a Communications Unit team, become familiar with working in the NIMS Incident Command system, familiarize themselves with the equipment and procedures NYS OIEC uses when they deploy, and members also had an opportunity to complete some of the tasks in their AUXCOMM Position Task Book.

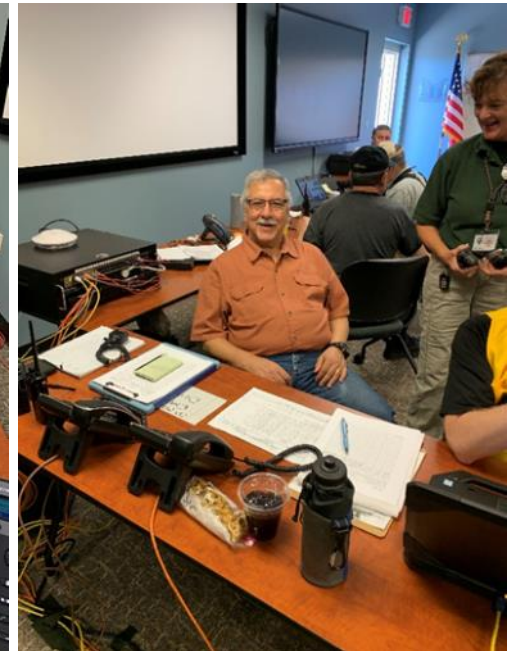
The scenario was a flood in the City of Rome, New York that overwhelmed the city resources. Rome requested assistance from several county and NYS agencies including the NYS OIEC office. The COMU had to develop a communications plan, and build a Regional Operations Center (ROC) in a classroom at the SPTC. The COMU, including AUXCOMMS, used a variety of OIEC deployable equipment and set up radio consoles, laptops, and phones to support multiple dispatch positions. As the scenario expanded, the COMU team also had to provide wireless connectivity for the ROC, add additional deployable repeaters, and provide portables as requests came in.

This was the first time AUXCOMM members participated in the NYS OIEC exercise. By all accounts at the hotwash following the exercise, AUXCOMM members provided invaluable assistance providing support as technicians, and as radio dispatchers in the ROC. The AUXCOMM members also had valuable feedback at the hotwash. These volunteer members truly demonstrated the value of bringing trained AUXCOMM members into a NIMS Communications Unit.

NYS OIEC continues to support training and exercises that include AUXCOMM personnel.



Joe DiVincenzo and Jim Stefano



Tony Correa

RAGS OF THE PAST

ED GABLE, K2MP, RARA HISTORIAN

20 Years Ago, June 2003

This issue of the Rag was filled with news of the just completed 69th Annual Rochester Hamfest, combined with the ARRL Atlantic Division Annual Convention, with much of the writing provided by Hamfest General Chairman Harold Smith K2HC (sk). Hamfest attendees were happy and numerous on the opening Day, Friday, where it was cool and cloudy but mostly dry. Saturday was a totally different story as day-long rain dampened spirits and anything having to do with outdoor activity. This made the inside vendors happy as business was brisk although many commented on the lack of major vendors; Kenwood, Yaesu and ICOM, that was a start of something to be observed at many hamfests world-wide. The *Bring and Buy* concept where Hamfest attendees could leave their goodies with a RaRa sponsored booth to have your items potentially sold, as you spent time enjoying the hamfest, was deemed a success after this first-time experiment. At the always pleasant Hamfest Banquet it was announced that Bob Bennett W3WCQ, was named the Atlantic Division Amateur of the Year, while Ron Polityka WB3AAL, took the Technical Achievement Award home with him. Also appearing to make awards was Dick Goslee (sk) K2VCZ, who gave out this year's RaRa Annual Memorial Scholarship Award. The recipient, John R. McIntyre, son of long-standing member Marvin McIntyre (sk) K2ZAA, was a recent Irondequoit High School graduate and will attend RIT's EE program. President George Platteter (sk), AA2FO, wrote to invite members to the always popular RaRa Picnic, this year at Ellison Park on Blossom Road. While there you could exercise by walking the detected RF path left by Jon Dickerson N2JAC, this year's transmitter hunt specialist. Ray Pickens (sk) WA2MYG, RaRa's Licensing Class Director, reported on the completion of the Spring/Summer classes with a very impressive ending of this session in both numbers of new hams in our ranks and in obtaining new classroom facilities. RaRa needed to acknowledge and thank Jon Arney WB3LIH, a faculty member at RIT as well as Trustee of K2GXT, the RIT ARC, for his making arrangements allowing RaRa Licensing classes to use building #76 on the RIT Campus for their instruction venue. A guest writer appeared in this issue when Gib Buckbee KC2JTU, took pen in hand to urge local hams to join in WW2 Battle Re-enactments. Gib has been involved with WW2 Living History and WW2 Battle Re-enactments for over five years and is looking for additional people, especially hams, who would be interested in forming a WW2 Signal Company in this area. The previous report on the activities of the 69th Annual Hamfest left out a report of a flying blimp that crashed landed into the RaRa Information booth in the Dome Arena. You would think that was newsworthy! Maybe we should say that Jon Arney WB3LIH, previously hailed for making RIT classrooms available to the RaRa Classes, yeh, that guy, well he was flying the Blimp. And he wrote about it in the Rag. Saving the day was RIT Blimp Project Leader Alvin Spivey who successfully demonstrated many flights for the eager spectators. Many of the team's experimental flights feature Amateur Television and other RF related experiments. With regret it was announced that Francis DiStefano WB2DZF and Charles Hilliker W7KIV (Ex-K2IML while in Rochester) were reported as

Silent Keys. From the Want Ads you could buy a Yaesu FT-767GX with 6 and 2 meter modules, from Irv Goodman, AF2K, for six hundred dollars. Glenwood Sales of Hague Street, was and probably still is, the longest running Commercial Advertiser in RaRa History.



the RARA RAG

Published by
ROCHESTER AMATEUR RADIO ASSOCIATION, INC.

VOL. 55 JUNE 2003 NO.10

RaRa Picnic, Ellison Park

George Platteter, AA2FO

It's that time again. Yes, its time to think picnic. Please join us again this year at Ellison Park, Creekside Lodge, on Saturday, June 21st, after 11:00 AM... Ellison Park is on Blossom Rd. between Browncroft Blvd. and Blossom Rd. exits on Rt. 390. There is a sign at the park entrance showing the location of Creekside Lodge.

Look forward to a relaxed picnic with your fellow hams and significant others. Jon Dickason, N2JAC, has agreed again this year to mastermind the transmitter hunt. So bring you HT radios. RaRa will furnish the meat, rolls, condiments, and plate wares. Come and have a great time.



Map showing Ellison Park, Creekside Lodge, Walk Over Bridge, and Parking Lot.

ARRL AWARDS

Harold Smith K2HC

At the annual banquet, Bob Bennett, W3WCQ, of Baltimore, MD was awarded the Atlantic Division 2003 Amateur of the Year Award.



Ron Polityka, WB3AAL of Reading, PA was awarded the Atlantic Division 2003 Technical Achievement Award. We need to see some Rochester area names next year. Nominations close April 1, 2004.



HAVE A PLEASANT SUMMER
SEE YOU ALL IN SEPTEMBER
RaRa HOT LINE (585) 442-0587
24X7 ALL SUMMER

RARA RAG 1

The pop is cold and the hots are hot as cooked by incoming RaRa President Bill Thiel K2KGE, at the site of RaRa's annual picnic, Wadhams Lodge in Power Mill Park. President Ed Holdsworth (sk) N2EH, reported that the Board just approved RaRa's application to become an ARRL Special Service Club. There were thirteen Activity events on the June, 1983, RaRa Events Calendar, including entry in Field Day. The club was very busy! Rag Editor Ron Jakubowski K2RJ, felt the proposed No-Code licensing proposal was so important he devoted two full pages to argue *FOR* and *AGAINST* the plan. Ron's arguments were so well written that they make good reading today and are a fine example of good journalism. Writing for the Rochester DX Association was Fred Gern (sk) KB2SE, saying their next meeting, then at the Colonial Restaurant venue, where Gus Becker W2PHT, would speak on the history of the RDXA. Western New York Section Manager Bill Thompson W2MTA, announced a Leadership meeting to be held in July in Amsterdam, NY. There it was announced at Jason Layton, K2BYL/AAR2ET, of Hilton, was appointed Director of NYS Army MARS, with 200+ members. The Rochester VHF Group announced plans to operate the hotly contested June VHF Test from a site with 2150 foot elevation near Naples. Operators were WB2IEY (now WB2IEY/VE3) WA2YTM, SM6CZZW2 and WA3PXH/2. RRRA reported their slate of officers for the following year as Howie Davies N2CUN as VP, Alan Komenski (sk) AC2K as Secretary and Joe Phillips WA2DHF as Treasurer. After elections a transmitter hunt was held with K2MP the winner of a 40 watt mobile 2M PA. (I still have it – Ed) Teleconferencing continues locally on 145.11 and the 146.79 repeaters with Ron, K2RJ as local NCS. The last session featured Joe Reisert K1JR, on antenna design. Last call to get your bright yellow "RaRa" tee shirts for \$4.00 each. Pay your dues at the next meeting, Full member, seven dollars. Paid membership at time of print (in 1983) 835. There were no silent keys listed. From the Want Ads was an actual "Wanted" post where Tim Wettach N2TW said he was a strong, versatile and responsible college student desperately looking for offers. *DX Communications* of West Seneca, NY, remained a long-time commercial advertiser.

The RaRa Rag

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VOL. 35

JUNE 1983

NO. 10

RaRa PICNIC — JUNE 4th at POWDER MILL PARK

The pop is cold, the hots are sizzling and the potato salad and baked beans are ready. All we need are *YOU* to make the annual RaRa picnic a success!

Chief sizzler this year is Bill Thiel, K2KGE, incoming President, assisted by Ed Holdsworth, N2EH, outgoing prez. The Picnic Committee has ordered perfect weather, as usual, and with the food and games a good time is guaranteed to all!

Admission is free to all RaRa members and their family or a guest. Come to Wadhams Lodge in Powder Mill Park at 1 p.m. for the start of the festivities.

See the map below for directions.

A special thanks to those that assisted in the Hamfest Mailing and all those that make the Hamfest the success that it is.

N2EH

RDXA: JUNE 21st

by Fred Gern, KB2SE

Our June meeting will again enjoy the hospitality of the Colonial Restaurant, 1129 Empire Boulevard. The formal part starts at 8:15 p.m.

The highlight of our evening will be Gus Becker, W2PHT, who is RDXA Historian. Gus will transport us back over thirty years to the origins of the RDXA. We are most anxious to invite our past members to join us for this meeting. Hopefully many will join our nostalgic trip. Even the snow-birds are welcome!

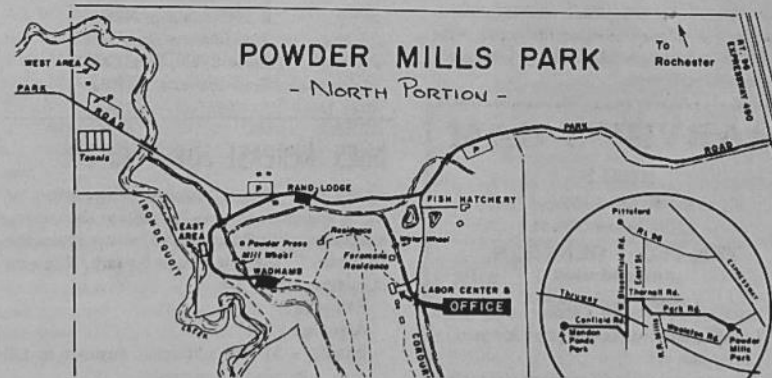
We also will hold an election of club officers. Final plans for field day will be on tap too.

Another subject of interest to many DX'ers will appear in the limelight, following its discussion at our June meeting. The subject is – DX Honor Roll; is it worth the two deaths occurring in the April attempt on Spratly Island? This topic is sure to create an active debate.

A warm summer to all, and to all – some DX!

WANTED

Do you take pleasure in "paper work", general record keeping and financial responsibility? RaRa will be looking for a new Membership Chairman for the 1983-84 season. If you consider yourself "qualified", and are seriously interested in this type of volunteer club activity, please contact the Membership Chairman or any Board member.



RARA CALENDAR

TIM BARRETT, K9VB, MEMBERSHIP SECRETARY

June 2023						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB NRAU 10m Activity Contest NCCC Sprints PODXS 070 Contest	2 PODXS 070 Contest HA3NS Sprint memorial Contest K1USN Slow Speed Test	3 RARA Hamfest, Hilton!! ROC City Net 28.405 MHz, 9pm PODXS 070 Club 3 Day Test UKSMG Summer Contest 10-10 PSK Contest Kentucky QSO Party Tisza Cup CW Contest KANHAM Contest IARU Region 1 Field Day, CW ARRL Inter. Digital Contest
4 PODXS 070 Club 3 Day Test UKSMG Summer Contest 10-10 PSK Contest Kentucky QSO Party KANHAM Contest RSGB National Field Day IARU Region 1 Field Day, CW ARRL Inter. Digital Contest	5 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest ARS Spartan Sprint RSGB 80m Club (Data)	6 Phone Weekly Test	7 RaRa Monthly Mtg BSA & ONLINE 7pm ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test VHF/UHF FT8 Activity Contest Mini Test 40, 80	8 RARA BoD Mtg 6:30pm ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB EACW Meeting NCCC Sprints	9 K1USN Slow Speed Test	10 ROC City Net 28.405 MHz, 9pm Tour de Cure Lockport LARA Hamfest Asia-Pacific Sprint, SSB Portugal Day Contest SKCC Weekend Sprintathon REF DDFM 6m Contest AGCW VHF/UHF Contest ARRL VHF Contest
11 Portugal Day Contest SKCC Weekend Sprintathon REF DDFM 6m Contest AGCW VHF/UHF Contest ARRL VHF Contest	12 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	13 Phone Weekly Test NAQCC CW Sprint	14 ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test VHF/UHF FT8 Activity Contest Mini Test 40, 80 Walk for the Bacon Contest	15 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB NTC QSO Party NCCC Sprints Walk for the Bacon Contest	16 K1USN Slow Speed Test SARL Youth QSO Party	17 ROC City Net 28.405 MHz, 9pm All Asia DX Contest, CW IARU Region 1 50MHz Contest Stew Perry Top Band Challenge WV QSO Party Feld Hell Sprint SMIRK Contest Pajajaran Bogor DX Contest ARRL Kids Day
18 All Asia DX Contest, CW IARU Region 1 50MHz Contest Stew Perry Top Band Challenge WV QSO Party SMIR KContest	19 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest	20 Phone Weekly Test NAQCC CW Sprint	21 ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test VHF/UHF FT8 Activity Contest Mini Test 40, 80	22 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB RSGB 80m Club Champ, SSB NCCC Sprints	23 K1USN Slow Speed Test	24 ROC City Net 28.405 MHz, 9pm ARRL Field Day King of Spain Contest, SSB
25 ARRL Field Day King of Spain Contest, SSB	26 AWA Net 145.110 MHz, 7pm VHF Group 9pm 144.260 SSB ICWC Medium Speed Test OK1WC Memorial WW Sideband Activity Contest RSGB FT4 Contest QCX Challenge	27 Phone Weekly Test	28 ROC City Net ~3.830 MHz, 7p A1 Club AWT CWOps Test Mini Test 40, 80	29 ARES Net 146.610 MHz, 7pm VHF Group 9pm 50.205 USB NCCC Sprints	30 K1USN Slow Speed Test	

VE TEAM

Testing takes place on the 3rd Saturday September - April

Testing Location

RIT
Rochester Institute of Technology
Building 16 -Schmitt Interfaith Center
43.08402626755475, -77.6734520379509

- Easiest path is from Parking Lot D it can be accessed from West Jefferson Rd via Andrews Memorial Dr or Lowenthal Rd
- From parking lot D walk south up the ramp to the Schmitt Interfaith Center.
- Once inside there is an elevator over to your left or stairs in front of you. Go to the first floor and you will find the Skalny room.

Please Note: this room cannot be accessed from the door under the bridge.

Pre-registration is required visit:

<https://hamstudy.org/sessions/14612/inperson> to find the latest session.

More information is available on the RARA website:

https://rochesterham.org/license_testing.htm

Applicants must supply their own pen, pencil, calculator

Testing begins at 10:00AM.

Also Note: The exam is free however the FCC now charges \$35 for applications. This fee is NOT paid to the VE team. It is paid directly to the FCC. You will receive an email from the FCC when your application is processed. We will also have an information sheet available

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES News

Monroe County Amateur Radio Emergency Service (ARES)® is an amateur radio public service organization based in Monroe County, New York, and is open to all licensed amateur radio operators. Monroe County Radio Amateur Civil Emergency Service (RACES) is a program of the Monroe County Office of Emergency Management. We participate in training and emergency exercises so that we can serve other agencies during times of communication failure.



The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month except in July, August, November and December. The meeting in November is on the third Thursday to avoid interfering with Thanksgiving. Anyone interested, members and non-members, are welcome to attend. The meetings are in person at the county EOC at 6:00 PM and are also available via Zoom. Please check our website for any schedule changes. Prospective members can request an invitation by email to: secretary@monroecountymcomm.org.

Monroe County ARES/RACES meets on the air every Thursday of the month at 7:00 PM, on the W2ARM 146.61 MHz (-) 110.9 Hz PL and 444.45 MHz (+) 110.9 Hz PL repeaters. Our club callsign is WB2EOC. On nights when we hold our regular meeting, the net is at 5:30 PM.

Web: www.monroecountymcomm.org

Facebook: Monroe County Amateur Radio Emergency Service, Inc.

Twitter @MCARESNY

ROCHESTER DX ASSOCIATION, RDXA

Please check our website www.rdxa.com for up-to-date information regarding meeting locations and requirements, if any.



XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club meets the second Thursday of the month (except July and August). 7PM at the Webster Recreation Center. Zoom meeting info, when available, is sent out to our mailing list. How to subscribe and up-to-date information is always on our website at <http://xarc.us>. We have a System Fusion repeater south of the city on 145.290, and another on 444.825 west of the city that is also D-Star capable. Both are also analog capable with 110.9Hz tone. All are welcome.

AMATEUR RADIO ASSOCIATION OF THE SOUTHERN TIER, ARAST

ARAST meets the third Thursday of every month at the Emergency Communications Center on Harris Hill in Big Flats, next to the National Soaring Museum. Our Chemung County ARES (CCARES) organization meets the first Tuesday of the month except February at the same location. Both organizations serve amateurs in Chemung, Steuben and Schuyler counties in New York and Bradford and Tioga counties in Pennsylvania. All are welcome to attend our meetings.

NOTE: Both CCARES and ARAST monthly meetings are now being held both in person and online. Check out the Upcoming Events at our website, www.arast.info, for the latest details.

Don't forget to check out our repeaters when you visit the area. N3AQ 147.36(+) and the W2ZJ 146.70(-) are the principal 2-meter repeaters. The latter can also be accessed via Echolink node 574415 with the call sign KD2QND-R. A full list of repeaters that can be heard in the Twin Tiers area surrounding Chemung County can be found at http://www.arast.info/arast_website/public/repeaters.php.

We also invite you to check out our new 6-meter net on Wednesday evenings at 9 p.m. local time on 50.200 MHz USB. The net usually lasts approximately one hour. Operators are encouraged to check in and participate in the round table discussions or simply stop by from time to time. We would welcome participation from RARA members.

COMMUNITY AMATEUR RADIO CLUB, CARC

If you are interested in being a part of this forward thinking and active club, visit us at a meeting or join us on one of our weekly nets. We meet at the Hoag Library (134 S. Main St. Albion, NY) on the first Saturday of each month at 7PM. Each meeting has a brief training/refresher period with upcoming topics including: net protocol, repeater set-up/maintenance, and digital signaling. The club holds a net every Sunday evening at 8pm (winter) and 9PM (summer) - 0100 UTC Monday - on 147.585 simplex, and we host the Thursday Night Social Net, Thursday at 8:30PM on 147.285+. We'd love to hear you check-in!

DRUMLINS AMATEUR RADIO CLUB

The Drumlins Amateur Radio Club meets every third Wednesday of the month at 7:30 PM at the Wayne County EMO/Sheriff's Office 7376 State Hwy 31 #1000, Lyons, NY 14489. Doors open at 7 pm, meeting starts at 7:30 pm. Announcements will be made on the 146.685 repeater. The Drumlins ARC website address is <http://drumlinsarc.us/>

DIGITAL COMMUNICATIONS ASSOCIATION OF PERINTON, DCAP

DCAP members continue to experiment with leading edge digital communication modes. We were formed in 1994 to foster the development of local and regional packet radio networks using AX25 and TCP/IP. Today we have members using the club sponsored DSTAR repeater (KB2VZS on 444.8MHz), several personal and publicly accessible DSTAR hotspots, Yaesu System Fusion systems on non-club repeaters and DMR systems through repeaters and personal hotspots. DCAP members meet for breakfast at 7AM nearly every Saturday morning at Rikki's Family Restaurant in the village of Fairport and everyone is welcome to join us. Talk in is on the KB2VZS analog repeater on 146.715MHz with a PL tone of 110.9Hz.

KEUKA LAKE AMATEUR RADIO ASSOCIATION, KLARA

Joel has been working on the Simplex Challenge! Date is set for May 6, 2023 to run from noon till 4pm. Be watching for the information on our webpage and I will be posting it on here also. This year will be 2 meter and 6 meter! So exciting so please plan to join in this event!

ORLEANS COUNTY AMATEUR RADIO CLUB

The Orleans County ARC meets every 2nd Monday of the month at the Orleans County Emergency Operations Center, 14064 West County House Road, Albion, NY 14411. Doors open at 6:00PM, meeting starts at 7:30PM. Anyone with an interest in amateur radio is welcome. Program topics vary from month to month.

The club has an open two-meter net every Tuesday night at 9:00PM local time on the club repeater, WA2DQL/R (145.27 -600KHz offset, 141.3 tone). Everyone is welcome to check in.

See the club website <http://ocarc.us> or contact club Secretary Ron Craig, N5BNO for more information.

SKENOH ISLAND AMATEUR RADIO CLUB, SIARC

The Skenoh Island Amateur Radio Club and meets every second Wednesday of the month at 7:30PM at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30PM. The next meeting will be May 10th, at 7:30PM. There will be exam testing.

SIARC is also holding a Health and Welfare NET Monday through Friday each week at 2000 hours on the SIARC 146.820 repeater (located in Canandaigua, NY), Tone 110.9. This net is to pass along general information and keep hams in touch. All hams are invited to participate.

ROCHESTER VHF GROUP

You are invited to
join us on-line &
on-the-air! We're
here to help you to
use the license that
you worked so hard to get.



Check out what we do by visiting our
website at <http://RVHFG.org> to start.

Join our e-mail group by sending a message
to RVHFG+subscribe@groups.io.

Join our weekly on-the-air nets on SSB:
2 meter band - Monday 9 PM 144.260 USB
6 meter band - Thursday 9 PM 50.205 USB

No VHF SSB radio (yet) to join the nets?
Log-in to Echolink [ka2ene-L #23426](#)

We can help to answer the question, "What radio
should I buy?" Here's a list of HF+++ radios, those
with the HF bands and at least three VHF bands,
giving you access to all sorts of VHF fun. Research
each one to see which serves you best. Ask
questions on our email list. We're here to help!

Yaesu FT-100D	Yaesu FT-817	Yaesu FT-818
Yaesu FT-847	Yaesu FT-857	Yaesu FT-897
Icom IC-706MKIIG	Icom IC-7000	Icom IC-7100
Icom IC-9100	Kenwood TS-2000	

Some are older models and some are newer models,
but all provide access to the 6 meter, 2 meter, and
70 centimeter bands using both traditional FM and
the exciting narrow-band SSB mode that supports
unexpectedly long-distance (100's of km's routinely
and 1,000's of km occasionally) VHF communication.
These are good all-around radios no matter what
club you end up affiliating with later. We hope its us.

ROCHESTER RADIO REPEATER ASSOCIATION

Stay tuned to our web site, www.k2rra.org for any current information.

We are still looking for a club Secretary. If you wish to apply contact one of the listed club officers or show up at a regular meeting. The current club officers for March are Bob Shewell - N2HJD - President, Bob Odell - N2BZX - Vice President, and Bob Smith - NS2B-Treasurer / Membership Chairman. RRRA also accepts donations to the club. If you are not currently a member and want to support RRRA, you can join at our monthly meeting or on our web site using PayPal. www.k2rra.org

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

RARA OFFICERS, DIRECTORS AND COORDINATORS

OFFICERS

President: Scott Theis, W2LW	(845) 774-9809	president@rochesterham.org	Treasurer: Mike Moore, KC2NM	(585) 721-0011	treasurer@rochesterham.org
Vice-President: Tim Barrett, K9VB	(646)496-5015	vicepresident@rochesterham.org	Secretary: Brian O'Connor, KA2CGB	(585) 721-2346	secretary@rochesterham.org

DIRECTORS

Richard Bishopp, KD2UBJ	(585) 766-5631	rbishopp44@gmail.com	Karl Heinz Kremer, K5KHK	(585) 210-0840	k5khk@khk.net
Tim Guyot, KB1POP	(585) 406-3163	timguyot@gmail.com	Dave Wilson, WA2HOY	(585) 200-4447	davidrw@rochester.rr.com
Mike Kennerknecht, N2MAK	(585) 754-2444	maken-nerknecht@gmail.com			

ACTIVITY COORDINATORS

Club Historian	Ed Gable, K2MP	egable@rochester.rr.com	Online Meetings	Scott Theis, W2LW	sa_theis@hotmail.com
Club Station Trustee	Dave Enright, K3WHD	denright1228@gmail.com	Public Service	Mike Moore, KC2NM	publicservice@rochesterham.org
Education Coordinator	Karl Heinz Kremer, K5KHK	education@rochesterham.org	QSL MANAGER	Dave Enright, K3WHD	denright1228@gmail.com
Elmers' Corner	Richard Bishopp, KD2UBJ Suzanne Bishopp, W2SUZ	elmerscorner@rochesterham.org	Raffle Administrators	Forest Shick, WA2MZG Jeff Sonstein, WA2RRB	wa2mzg@arrrl.net
Groups.io Moderators	Tim Barrett, K9VB Karl Heinz Kremer, K5KHK	tim.k9vb@gmail.com k5khk@khk.net	RARA Academy	Kevin Denton, KD2WXS	academy@rochesterham.org
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ROCHESTER AREA RADIO CLUB CONTACTS

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Lynn Bisha, W2BSN: lynnbisha@gmail.com

Astronomy Section Rochester Academy of Science

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Digital Communications Association of Perinton (DCAP)

Gary Skuse, KA1NJL: ka1njl@arrl.net

Drumlins Amateur Radio Club Ltd. (DARC)

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Genesee Valley Amateur Radio Assn.

Bill Boyd, N3DSP: N3DSP@lafireline.net

Keuka Lake Amateur Radio Association (KLARA)

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Rochester Amateur Radio Association (RARA)

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ROC City Net

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Chris Shalvoy, K2CS: cshalvoy@att.net

Rochester Institute of Technology ARC

Jeremy S. Brown, W2JSB: Jeremy.brown@rit.edu

Rochester Radio Repeater Association (RRRA)

Bob Shewell, N2HJD: bshewell@frontiernet.net

Rochester VHF Group (RVHFG)

Rus Healy, K2UA: chairman@rvhfg.org

Skenoh Island Amateur Radio Club (SIARC)

Steve Benton, WB2VMR: sbenton2@rochester.rr.com

West Side Amateur Radio Club

XRX Amateur Radio Club

Brian Donovan, K2AS: k2as@outlook.com

Rochester Makerspace

David Duckles: rocmakers@gmail.com

JULY RAG DEADLINE

JUNE 15, 2023

RARA MEETS AT 7PM ON THE FIRST WEDNESDAY OF EACH MONTH.

JOIN US IN PERSON OR ONLINE AT:

No meeting in June

CONTACT WEBMASTER@ROCHESTERHAM.ORG FOR SUPPORT

Rochester Area Repeater Listing *THE RARA RAG*

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